

WR-35
Rev (5-01)

DATE: May 24, 2010
API #: 47-001-03114

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Hellyer Operator Well No.: B822

LOCATION: Elevation: 1913' Quadrangle: Audra 7.5'

District: Barker County: Barbour
Latitude: _____ Feet South of _____ Deg. _____ Min. _____ Sec.
Longitude _____ Feet West of _____ Deg. _____ Min. _____ Sec.

Company: <u>Berry Energy, Inc.</u>	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>P.O. Box 5</u>	<u>7"</u>	<u>800'</u>	<u>800'</u>	<u>To surface</u>
<u>Clarksburg, WV 26301</u>	<u>4 1/2"</u>		<u>5,288'</u>	<u>240 sx</u>
Agent: <u>David Berry</u>				
Inspector: <u>Bryan Harris</u>				
Date Permit Issued: <u>3/26/2010</u>				
Date Well Work Commenced: <u>4/16/2010</u>				
Date Well Work Completed: <u>5/4/2010</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable _____ Rig _____				
Total Depth (feet): <u>5339' (10' KB)</u>				
Fresh Water Depth (ft.): <u>52'</u>				
Salt Water Depth (ft.): <u>None</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>none</u>				

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WV Department of
Environmental Protection

OPEN FLOW DATA

Producing formations: Benson, Haverty Sands* Pay zone depth (ft) 5200, 3820'

Gas: Initial open flow odor MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow 360 MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 4 Hours

Static rock Pressure 1100 psig (surface pressure) after 76 Hours

Second producing formation 5th Sand* Pay zone depth (ft) 2190' *= commingled

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed:

David Berry
By: David Berry
Date: 5/7/2008

1-3114

Perforations: Haverty Sand / Stage one: 15 holes (.39") 5196' - 5199' (GL)
 Benson Sand / Stage two: 15 holes (.39") 3810' - 3815' (GL)
 5th Sand / Stage three: 15 holes (.39") 2177' - 2182' (GL)

Stimulation: Stage one: 500 gal 15% HCl, 37,631 # 20/40 sand, 296 Bbls, BD 2586#, ATP 3561#
 432 Mscf Nitrogen in 65 Q foam
 Stage two: 500 gal 15% HCl, 30,988 # 20/40 sand, 196 Bbls, BD 1607#, ATP 2865#
 267 Mscf Nitrogen in 51 Q foam
 Stage three: 500 gal 15% HCl, 45,564 # 20/40/sand, 408 Bbls, BD 2088#,
 ATP 2998#. 423 Mscf Nitrogen in 63 Q foam

Geologic Record

Sand and Shale	0	284	soap @ 52'
Sandstone	284	308	
Sand and Shale	308	645	
Sandstone	645	679	
Red Rock	679	917	
Sand and Shale	917	1108	
Little Lime	1108	1126	
Pencil Cave	1126	1162	
Big Lime	1162	1398	
Sand and Shale	1398	1900	
Sandstone w/ shale stringers	1900	2068	
Shale	2068	2100	
5 th Sand	2100	2198	show of gas
Shale and Siltstone	2198	3815	
Benson Sand	3815	3826	
Shale and Siltstone	3826	5166	
Haverty Sand	5166	5226	
Shale	5226	5339	TD (10' KB)

WR-35
Rev (8-10)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 5-11-11
API #: 47-001-03227

Farm name: Mark & Melinda O'Donnell Operator Well No.: B857

LOCATION: Elevation: 1724 Quadrangle: Audra 7.5'

District: Union County: Barbour
Latitude: N39.07468 Feet South of _____ Deg. _____ Min. _____ Sec.
Longitude: W80.06943 Feet West of _____ Deg. _____ Min. _____ Sec.

Company: Berry Energy

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
	9-5/8"	36	36	conductor
Agent: <u>Daniel Berry</u>	7"	632	632	To Surface
Inspector: <u>Bryan Harris</u>	4-1/2"	3479	3479	130 sx
Date Permit Issued: <u>2-8-11</u>				
Date Well Work Commenced: <u>4-12-11</u>				
Date Well Work Completed: <u>4-26-11</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable _____ Rig _____				
Total Vertical Depth (ft): <u>3926</u>				
Total Measured Depth (ft): <u>3926</u>				
Fresh Water Depth (ft.): <u>62'</u>				
Salt Water Depth (ft.): <u>None</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>150-155, 202-207</u>				
Void(s) encountered (N/Y) Depth(s) <u>None</u>				

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OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Riley, Speechley Pay zone depth (ft) 3424, 2285

Gas: Initial open flow Odor MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 300 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 4 Hours

Static rock Pressure 725 psig (surface pressure) after 72 Hours

Second producing formation Fourth Sand Pay zone depth (ft) 1991

Gas: Initial open flow Odor MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 300 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 4 Hours

Static rock Pressure 725 psig (surface pressure) after 72 Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Edward B. Berry
Signature

5-13-11
Date

001-03227

Were core samples taken? Yes _____ No XWere cuttings caught during drilling? Yes X No _____Were Y Electrical, N Mechanical, N or Geophysical logs recorded on this well?
Y/N Y/N Y/N

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Perforations: Riley 14 Holes (.39) 3424' - 3435', Speechley 15 Holes (.39) 2285' - 2302'

Fourth Sand 15 Holes (.39) 1991' - 1997'

Stimulations: Riley: 500 gal 15% HCL, 40,800# 20/40 Sand, 173 Bbls Water, 438,201 Scf Nitrogen, Break Down 3,718#, Average Treating Pressure 3,069#

Speechley: 500 gal 15% HCL, 40,600# 20/40 Sand, 153 Bbls Water, 334,385 Scf Nitrogen, Break Down 3,450#, Average Treating Pressure 2,607#

Fourth Sand: 500 gal 15% HCL, 39,600# 20/40 Sand, 145 Bbls Water, 361,181 Scf Nitrogen, Break Down 5,080#, Average Treating Pressure 3,030#

Formations Encountered: _____ Top Depth _____ / _____ Bottom Depth _____
Surface: _____

Clay	1'	/	12'	Sandy Shale	3020'	/	3920'
Shale	12'	/	34'				
Sand	34'	/	60'				
Shale	60'	/	88'				
Sand	88'	/	150'				
Coal	150'	/	155'				
Sand/Shale	155'	/	202'				
Coal	202'	/	207'				
Sand/Shale	207'	/	570'				
Shale	570'	/	700'				
Sand/Shale	700'	/	1100'				
Sand	1100'	/	1345'				
Shale/Red Rock	1345'	/	1900'				
Sand	1900'	/	2175'				
Shale	2175'	/	3020'				

WR-35
Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 3/14/13
API #: 47-001-03257

Farm name: Bumgardner

Operator Well No.: Bumgardner 5-2H

LOCATION: Elevation: 1240

Quadrangle: Century 7.

District: Union

County: Barbour

Latitude: 1300 Feet South of 39 Deg. 07 Min. 17.4 Sec.

Longitude 650 Feet West of 80 Deg. 12 Min. 39.5 Sec.

Company: PetroEdge Energy LLC

Address: 4477 Williamstown Pike	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Williamstown, WV 26187				
Agent: Dan Mullins	20"	30'	30'	Sand In
Inspector: Joe McCourt	13 3/8"	464'	436'	Cement to surface
Date Permit Issued: 9/27/11	9 5/8"	2560'	2532'	Cement to surface
Date Well Work Commenced: 12/10/11	5 1/2"	14250'	14195'	Cement to surface
Date Well Work Completed: 3/8/12				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): 7633				
Total Measured Depth (ft): 14203				
Fresh Water Depth (ft.): 205				
Salt Water Depth (ft.): 2004				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 320,425,586				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure _____ psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure _____ psig (surface pressure) after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Dan Mullins
Signature

3/14/13
Date

1-03257

Were core samples taken? Yes _____ No XWere cuttings caught during drilling? Yes X No _____Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Mud Log, GR, CBL
Drill cuttings were collected, analyzed, and disposed of with the rest of the drill cuttings

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Well has not been fractured - waiting on pipeline - transferring to Statoil USA Onshore Properties Inc.

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: <u>Surface:</u>	Top Depth	Bottom Depth
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Coal	320	322
Coal	425	429
Coal	586	589
Benson	4885	4950
Rhinestreet	6132	7040
Middlesex	7040	7284
West River	7284	7506
Genessee	7506	7535
Tully	7535	7589
Hamilton	7589	7854
Marcellus	7854	

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Linda L Claypool Operator Well No: Claypool #1 Acres 102.58

LOCATION: Elevation: 1149' Quadrangle: Burnsville 7.5'

District: Salt Lick County: Braxton

Latitude: 14,550' Feet South of: 38 Deg. 45 Min. 05.7 Sec.

Longitude: 10280' Feet West of: 80 Deg. 39 Min. 40.1 Sec.

Company:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Mike Ross Inc.				
Address: Po Box 219				
Coalton WV 26257				
Agent: Mike Ross	11 3/4	40	40	
Inspector: Joe McCourt	8 5/8	900	900	375 sacks
Date Permit Issued: 10/16/09				
Date Well Work Commenced: 10/22/09	4 1/2		4580	620 sacks
Date Well Work Completed: 10/28/09				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 4530				
Fresh Water Depth (ft.): 1/2 hole wet @ 50'				
Salt Water Depth (ft.): 2" @ 1149' SP on hole, 1 1/2" @ 2153'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.):				

OPEN FLOW DATA

Producing formation: Benson, Balltown, Big Injun

Pay zone depth: 4570-2000 (ft)

Gas: Initial open flow 30 MCF/d Oil: Initial open flow Bbl/d

Final open flow 250 MCF/d Final open flow Bbl/d

Time of open flow between initial and final tests 4 Hours

Static rock Pressure 680 psig (surface pressure) after 72 Hours

Second producing formation Pay zone depth (ft)

Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d

Final open flow MCF/d Final open flow Bbl/d

Time of open flow between initial and final tests Hours

Static rock Pressure psig (surface pressure) after Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED

INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL

LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS

INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed:

Mike Ross

By: Mike Ross

Date: Nov. 9, 2009

Received
MAY 31 2013

Office of Oil and Gas
Department of Environmental Protection

7-02609

Office of Oil and Gas
WV Dept. of Environmental Protection

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Linda L. Claypool Operator Well No: Claypool #2 Acres 145

LOCATION: Elevation: 1247' Quadrangle: Burnsville 7.5'

District: Otter County: Braxton

Latitude: 13.500' Feet South of: 38 Deg. 45 Min. 16.2 Sec.

Longitude: 210' Feet West of: 80 Deg. 40 Min. 02.6 Sec.

Company:	Mike Ross Inc.	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address:	Po Box 219				
	Coalton WV 26257				
Agent:	Mike Ross	11 3/4	40		
Inspector:	Joe McCourt	8 5/8	1240	1240	352 sacks
Date Permit Issued:	10/30/09				
Date Well Work Commenced:	11/04/09	4 1/2		4745	650 sacks
Date Well Work Completed:	11/09/09				
Verbal Plugging:					
Date Permission granted on:					
Rotary X Cable	Rig				
Total Depth (feet):	4690'				
Fresh Water Depth (ft.):	1/2" stream @ 52 ft				
Salt Water Depth (ft.):					
Is coal being mined in area (N/Y)?	N				
Coal Depths (ft.):	955-958 and 1065-1068,				

OPEN FLOW DATA

Producing formation: Benson, Balltown, Gordon, Big Injun

Pay zone depth: 4660-2140 (ft)

Gas: Initial open flow 80 MCF/d Oil: Initial open flow Bbl/d

Final open flow 425 MCF/d Final open flow Bbl/d

Time of open flow between initial and final tests 4 Hours

Static rock Pressure 780 psig (surface pressure) after 72 Hours

Second producing formation Pay zone depth (ft)

Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d

Final open flow MCF/d Final open flow Bbl/d

Time of open flow between initial and final tests Hours

Static rock Pressure psig (surface pressure) after Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Mike Ross

By: Mike Ross
Date: Nov. 19, 2009

Received
MAY 31 2013
Office of Oil and Gas
WV Dept. of Environmental Protection

Date of Frac.: Nov. 16, 2009

Well Name: Claypool #2

7-02610

1st Stage - Perfs from 4662 to 4672, Holes 16, Acid 1000 Gals., Bbls water or foam 459, 80/100 sand 150 sacks, 20/40 sand 311 sacks, N2 73,000 SCF, ISP 732 .

2nd Stage - Perfs from 2731 to 3354, Holes 16, Acid 500 Gals., Bbls water or foam 484, 80/100 sand 140 sacks, 20/40 sand 315 sacks, N2 65,000 SCF, ISP 720# .

3rd Stage - Perfs from 2540 to 2655, Holes 12, Acid 500 Gals., Bbls water or foam 419, 80/100 sand -0- sacks, 20/40 sand 344 sacks, N2 45,000 SCF, ISP .

4th Stage - Perfs from 2138 to 2208, Holes 14, Acid 1,000 Gals., Bbls water or foam 410, 80/100 sand -0- sacks, 20/40 sand 350 sacks, N2 44,000 SCF, ISP 959 .

Directions: South on Route 19 to just before wood plant left. Cross wood bridge and railroad tracks. Left up hill to second location.

Details:

Sand & Shale	0 - 538
Sand	538 - 600
Sand & Shale	600 - 955
Coal	955 - 958
Sand & Shale	958 - 1065
Coal	1065 - 1068
Sand & Shale	1068 - 1200
Sand	1200 - 1488
Sand & Shale	1488 - 1895
Little Lime	1895 - 1935
Sand & Shale	1935 - 1945
Big Lime	1945 - 2191
Big Injun	2191 - 2220
Show Gas	
Sand & Shale	2220- 2540
Gordan Sand	2540 - 2560
Show Gas	
Sand & Shale	2560 - 3100
Balltown Stringers	3100 - 3350
Show Gas	
Sand & Shale	3350 - 4640
Benson	4640 - 4660
Show Gas	
Sand & Shale	4660 - 4816
TD	4816

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WR-35
Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 2/14/13
API #: 021-3513 W

Farm name: LARRY B. Operator Well No.: F. W. BELL #8

LOCATION: Elevation: 944' Quadrangle: GLENVILLE

District: DEKALB County: GILMER
Latitude: 10300' Feet South of 39 Deg. 00 Min. 00 Sec.
Longitude 9825' Feet West of 80 Deg. 50 Min. 00 Sec.

Company: ROY G. HILDRETH AND SON, INC.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
P. O. BOX 1007 SPENCER, WV 25276	10 3/4"	195'	195'	EXISTING
Agent: ROY G. HILDRETH	8 5/8"	600'	600'	EXISTING
Inspector: JOE MCCOURT	7"	1397'	1397'	EXISTING
Date Permit Issued: 7/24/2012	4 1/2"	2120'	2120'	TOP CEMENT TO 7'
Date Well Work Commenced: 9/1/12				1300' -80 SACKS
Date Well Work Completed: 9/20/12				108 CU FT
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 2150'				
Total Measured Depth (ft):				
Fresh Water Depth (ft.): 100'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? NO				
Coal Depths (ft.): N/A				
Void(s) encountered (N/Y) Depth(s) N/A				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation WIER Pay zone depth (ft) 2008' - 2012'

Gas: Initial open flow SHOW MCF/d Oil: Initial open flow SHOW Bbl/d

Final open flow 200 MCF/d Final open flow 5 Bbl/d

Time of open flow between initial and final tests Hours

Static rock Pressure psig (surface pressure) after Hours

Second producing formation MAXON Pay zone depth (ft) 1668' - 1673'

Gas: Initial open flow SHOW MCF/d Oil: Initial open flow SHOW Bbl/d

Final open flow 200 MCF/d Final open flow 5 Bbl/d

Time of open flow between initial and final tests Hours

Static rock Pressure psig (surface pressure) after Hours

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I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.


Signature

2/14/13
Date

21-3513

Were core samples taken? Yes _____ No XWere cuttings caught during drilling? Yes X No _____Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list ELECTRICAL

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

PERF 2062' (1 HOLE)	FRAC MAXON 1668' - 1673' (6 HOLES)
FRAC WIER 2008' - 2012' (5 HOLES)	PERF SALT SAND 1612' - 1616' (5 HOLES)
FRAC WIER 1969' - 1973' (6 HOLES)	PLUG SET 1500'
PERF 1873' (1 HOLE)	PERF SALT SAND 1468' - 1476' (15 HOLES)
PERF 1817' (2 HOLES)	
PLUG SET @ 1700'	

Plug Back Details Including Plug Type and Depth(s): FOAM FRAC 20,000 LB EACH 500 GAL ACID EACH

Formations Encountered:	Top Depth	/	Bottom Depth
<u>Surface:</u>			

SLATE & SHALE	0' - 1300'
LIME	1300' - 1350'
SALT SAND	1350' - 1400'
SLATE & SHALE	1400' - 1430'
SALT SAND	1430' - 1480'
SLATE & SHALE	1480' - 1590'
SALT SAND	1590' - 1620'
SLATE & SHALE	1620' - 1650'
MAXON	1650' - 1678'
SLATE & SHALE	1678' - 1700'
BIG LIME	1700' - 1790'
INJUN	1790' - 1830'
SLATE & SHALE	1830' - 1950'
WIER	1950' - 2020'
SLATE & SHALE	2020' - 2150'

F. W. BELL #8

**State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work**

Farm name: JUNKINS, EARL AND BELVA S. Operator Well No.: HIRAM LYNCH 114

LOCATION: Elevation: 1,080' Quadrangle: WOLF SUMMIT 7.5'

District: TEN MILE County: HARRISON
Latitude: 3,330 Feet south of 39 Deg 17 Min 30 Sec.
Longitude: 8,425 Feet west of 80 Deg 27 Min 30 Sec.

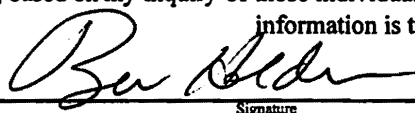
Company Address:	HG Energy 5260 DuPont Rd Parkersburg, WV 26101	Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Inspector:	Tristan Jenkins				
Date Permit Issued:	01/25/2013				
Date Well Work Commenced:	02/26/2013				
Date Well Work Completed:	02/27/2013				
Verbal Plugging:					
Date Permission Granted On:		7"	450'	450'	existing
Rotary X Cable Rig					
Total vertical Depth (ft):	2840'				
Total Measured Depth (ft):	2840'				
Fresh Water Depth (ft):	380'				
Salt Water Depth (ft):	None	4 1/2"	2769.9'	2769.9'	existing
Is Coal being mined in ares (Y/N)?	No				
Coal Depths (ft):	None				
Void(s) encountered (Y/N) depth(s):					

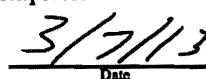
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WV Department of Environmental Protection

OPEN FLOW DATA * Waterflood Injector

Producing formation	Fifth Sand	Pay zone depth (ft)	2646'-2660'
Gas: Initial open flow	* MCF/d	Oil: Initial open flow	* Bbl/d
Final open flow	* MCF/d	Final open flow	* Bbl/d
Time of open flow between initial and final tests	* Hours		
Static rock pressure	* psig (surface pressure)	after	* Hours
Second producing formation		Pay zone depth (ft)	
Gas: Initial open flow	MCF/d	Oil: Initial open flow	Bbl/d
Final open flow	MCF/d	Final open flow	Bbl/d
Time of open flow between initial and final tests	Hours		
Static rock pressure	psig (surface pressure)	after	Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.


Signature


Date

Were core samples taken? No

Were cuttings caught during drilling? No 33.04907F

Were Y Electrical, N Mechanical, N or Geophysical logs recorded on this well?
Y/N Y/N Y/N

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Treatment : Treated perfs 2647'-2659' w/ 500 gals 15% HCL, 252 bbls cross linked gel, & 10,000# 20/40 sand.

Well Log : See original well record

WR-35
Rev (8-10)

Date May 29, 2013
API # 47 033 - 04975

State of West Virginia
Division of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

Farm Name: Carnes, Richard & Patricia Operator Well No.: Gerrard 2106

LOCATION: Elevation: 1122' Quadrangle: Wolf Summit
District: Sardis County: Harrison
Latitude: 2762' feet South of 39 DEG. 20' MIN. 00" SEC.
Longitude: 7537' feet West of 80 DEG. 22' MIN. 30" SEC.

Company:

Linn Operating LLC	Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
Address: PO Box 1008	13 3/8"		44'	Sand In
Jane Lew, WV 26378				
Agent: Gary Beall	9 5/8"	348'	348'	105 sks
Inspector: Tim Bennett				
Date Permit Issued: 11/6/2007				
Date Well Work Commenced: 2/4/2008	7"	1275'	1275'	115 sks
Date Well Work Completed: 2/21/2008				
Verbal Plugging:	4 1/2"	4700'	4621'	145 sks
Date Permission granted on:				
X Rotary Cable Rig				
Total Vertical Depth (ft): 4700'				
Total Measured Dept 4700'				
Fresh Water Depth (ft.): 50'				
Salt Water Depth (ft.): NA				
Is coal being mined in area (N/Y) ? N				
Coal Depths (ft): 50-55', 345-348'				
Void(s) encountered (N/Y) Depth(s) N				

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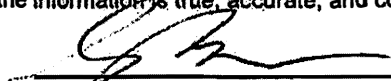
WV Department of
Environmental Protection

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing Formation Benson, Balltown, Speechley Pay Zone
Depth (ft) 2901 - 4458'
Gas: Initial Open Flow Show MCF/d Oil: Initial Open Flow ----- Bbl/d
Final Open Flow Show MCF/d Oil: Final Open Flow ----- Bbl/d
Time of open flow between initial and final tests ----- Hours
Static rock pressure ----- psig surface pressure after ----- Hours

Second Producing Formation ----- Pay Zone
Depth (ft) -----
Gas: Initial Open Flow ----- MCF/d Oil: Initial Open Flow ----- Bbl/d
Final Open Flow ----- MCF/d Oil: Final Open Flow ----- Bbl/d
Time of open flow between initial and final tests ----- Hours
Static rock pressure ----- psig surface pressure after ----- Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.


Signature

5-31-13
Date

33.04975

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

1	4448-4458'	Linear Gell Frac: Breakdown 3000 psig; Avg Treating 2093 psig @ 25.5 bpm; 325 sacks 20/40 sand; 486 bbls slurry; ISIP 1450 psig. Standard cubic feet N2: 52,000
2	3225-3254'	Linear Gell Frac: Breakdown 3000 psig; Avg Treating 1760 psig @ 25.5 bpm; 275 sacks 20/40 sand; 414 bbls slurry; ISIP 1280 psig. Standard cubic feet N2: 4900
3	3150-3154'	Linear Gell Frac: Breakdown 2800 psig; Avg Treating 2454 psig @ 21.6 bpm; 150 sacks 20/40 sand; 277 bbls slurry; ISIP 1260 psig. Standard cubic feet N2: 37000
4	3020-3025'	Linear Gell Frac: Breakdown 2800 psig; Avg Treating 2767 psig @ 21.6 bpm; 200 sacks 20/40 sand; 320 bbls slurry; ISIP 1320 psig. Standard cubic feet N2: 45000.
5	2901-2936'	Linear Gell Frac: Breakdown 3400 psig; Avg Treating 2166 psig @ bpm; 250 sacks 20/40 sand; 359 bbls slurry; ISIP psig. Standard cubic feet N2:46000

Formations Encountered:	Top Depth	/	Bottom Depth
<u>Surface:</u>			
No change in depth			
Fill	0'		15
Shale	15		50
Coal	50		55
Sand/Shale	55		115
Red Rock	115		140
Sand/Shale	140		230
Red Rock	230		250
Sand Shale	250		280
Red Rock	280		300
Sand/shale	300		315
Sand	315		345
Coal	345		348
Sand/Shale	348		450
Sand	450		520
Sand/Shale	520		560
Sand	560		600
Sand/shale	600		720
Shale	720		885
Sand	885		925
Red Rock	925		950
Sand/Shale	950		980
Sand/Shale	980		1160

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Environmental Protection

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Red Rock	1160	1195
Shale	1195	1205
Red Rock	1205	1225
Sand	1225	1340
Big Lime	1340	1380
Sand/Shale	1380	1400
Big Injun	1400	1435
Sand/Shale	1435	1920
50'	1920	1960
Sand/Shale	1960	2010
30'	2010	2060
Sand/Shale	2060	2075
Gordon	2075	1205
Sand/Shale	1205	2280
4th	2280	2320
Sand/Shale	2320	2345
5th	2345	2380
Sand/Shale	2380	2480
Sand	2480	2614
Shale	2614	2780
Sand	2780	2895
Shale	2895	3255
Balltown	3255	3290
Sand/Shale	3290	3520
Bradford	3520	3560
Sand/Shale	3560	4450
Benson	4450	4470
Shale	4470	4540
Sand/Shale	4540	4700

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name: **Hartman**Operator Well No. : **Twelve (12)**

LOCATION: Elevation: **890** Quadrangle: **Burnt House**
District: **Murphy** County: **Ritchie**
Latitude: **2,050** Feet South of **39** Deg. **02** Min. **30** Sec.
Longitude: **10,960** Feet West of **80** Deg. **57** Min. **30** Sec.

Company: **J.F.DEEM OIL & GAS, LLC**
4541 EMERSON AVE., #1
PARKERSBURG, WV 26104

Casing & Tubing Size	Used In Drilling	Left In Well	Cement Fill Up Cu Ft
_____	_____	_____	_____

Agent: **J. Frank Deem**
Inspector: **Larry Parrish**

Permit Issued:

Well Work Commenced: **02-04-13**

(See Original W-35 Dated 01-11-02)

Well Work Completed: **02-05-13**

Verbal Plugging

Permission granted on:

Rotary Cable Rtg

Total Depth (feet)

Fresh water depths (ft)

Salt water depths (ft)

Is coal being mined in area (Y / N)?

Coal Depths (ft):

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OPEN FLOW DATA

Producing formation **Berea** Pay zone depth (ft) **2213-2236**
Gas: Initial open flow **Show** MCF / D Oil: Initial open flow **Show** Bbl / D
Final open flow **23** MCF / D Oil: Final open flow **Show** Bbl / D
Time of open flow between initial and final tests

Static rock pressure **155** psig (surface pressure) after **24** Hours

Second producing formation * Pay zone depth (ft)
Gas: Initial open flow * MCF / D Oil: Initial open flow * Bbl / D
Final open flow * MCF / D Oil: Final open flow * Bbl / D
Time of open flow between initial and final tests * Hours
Static rock pressure * psig (surface pressure) after * Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: **J.F.DEEM OIL & GAS, LLC**By: 

PRESIDENT

Date: **February 15, 2013**

85.08834F

Were Electrical, Mechanical or Geophysical Logs recorded on this well? If yes, please list _____

Treated Down 4½" Casing w/500 GA, 30,000# 20/40 Sand, 425 Bbls. 60 Quality Foam

Cast Iron Plug @ 2330'

Formations Encountered: _____ Top Depth _____ / _____ Bottom Depth Surface: _____

[illegible]

WR-35
Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 2/4/13
API #: 087-4722

Farm name: MARY B. SNYDER Operator Well No.: ROACH #6

LOCATION: Elevation: 960' Quadrangle: REEDY

District: REEDY County: ROANE
Latitude: 3175' Feet South of 38 Deg. 55 Min. 00 Sec.
Longitude 6425' Feet West of 81 Deg. 30 Min. 00 Sec.

Company: KRAKROW, INC.

Address: P. O. BOX 1007	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
SPENCER, WV 25276	9 5/8"	40'	40'	CTS
Agent: JON R. HILDRETH	7"	945'	945'	CTS
Inspector: ED GAINER	4 1/2"	2713'	2713'	TOP CEMENT 1500'
Date Permit Issued: 8/2/12				135 CU FT
Date Well Work Commenced: 8/15/12				
Date Well Work Completed: 8/25/12				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 2700'				
Total Measured Depth (ft):				
Fresh Water Depth (ft.): 90'				
Salt Water Depth (ft.): 1840'				
Is coal being mined in area (N/Y)? NO				
Coal Depths (ft.): N/A				
Void(s) encountered (N/Y) Depth(s)				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation BERE A Pay zone depth (ft) 2572' - 2582'

Gas: Initial open flow N/A MCF/d Oil: Initial open flow 2 Bbl/d

Final open flow N/A MCF/d Final open flow SHOW Bbl/d

Time of open flow between initial and final tests Hours

Static rock Pressure psig (surface pressure) after Hours

Second producing formation Pay zone depth (ft)

Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d

Final open flow MCF/d Final open flow Bbl/d

Time of open flow between initial and final tests Hours

Static rock Pressure psig (surface pressure) after Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.


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2/4/13
Date

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MAR 21 2013

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87. 4722

Were core samples taken? Yes _____ No ☒Were cuttings caught during drilling? Yes ☒ No _____Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list ELECTRICAL

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

PERFORATED 2572' - 2582' (20 HOLES)FOAM FRAC 21000 LB OF SAND, 500 GAL ACIDPlug Back Details Including Plug Type and Depth(s):

Formations Encountered: _____ Top Depth _____ / _____ Bottom Depth
Surface:

SLATE & SHALE	0	- 1500'
SALT SAND	1500'	- 1540'
SLATE & SHALE	1540'	- 1640'
SALT SAND	1640'	- 1670'
SLATE & SHALE	1670'	- 1700'
SALT SAND	1700'	- 1730'
SLATE & SHALE	1730'	- 1910'
LITTLE LIME	1910'	- 2000'
SLATE BREAK	2000'	- 2008'
BIG LIME	2008'	- 2125'
INJUN SAND	2125'	- 2160'
SLATE & SHALE	2160'	- 2570'
BEREA SAND	2570'	- 2583'
SLATE & SHALE	2583'	- 2700'

ROACH #6

WR-35
Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 2/4/13
API #: 087-4723

Farm name: MARY B. Operator Well No.: JOHN STANLEY #6

LOCATION: Elevation: 864' Quadrangle: LIVERPOOL

District: REEDY County: ROANE
Latitude: 1700' Feet South of 38 Deg. 55 Min. 00 Sec.
Longitude 5100' Feet West of 81 Deg. 30 Min. 00 Sec.

Company: KRAKROW, INC.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
P. O. BOX 1007 SPENCER, WV 25276	9 5/8"	40'	40'	CTS
Agent: JON R. HILDRETH	7"	845'	845'	CTS
Inspector: ED GAINER	4 1/2"	2631'	2631'	TOP CEMENT 1760'
Date Permit Issued: 8/10/12				135 CU FT
Date Well Work Commenced: 8/				
Date Well Work Completed: 9/5/12				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 2625'				
Total Measured Depth (ft):				
Fresh Water Depth (ft.): 90'				
Salt Water Depth (ft.): 1780'				
Is coal being mined in area (N/Y)? NO				
Coal Depths (ft.): N/A				
Void(s) encountered (N/Y) Depth(s)				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation BEREA Pay zone depth (ft) 2486' - 2494'

Gas: Initial open flow N/A MCF/d Oil: Initial open flow SHOW Bbl/d

Final open flow N/A MCF/d Final open flow 2 Bbl/d

Time of open flow between initial and final tests Hours

Static rock Pressure psig (surface pressure) after Hours

Second producing formation Pay zone depth (ft)

Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d

Final open flow MCF/d Final open flow Bbl/d

Time of open flow between initial and final tests Hours

Static rock Pressure psig (surface pressure) after Hours

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I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.


Signature

2/4/13
Date

87-4723

Were core samples taken? Yes _____ No XWere cuttings caught during drilling? Yes X No _____Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list ELECTRICAL CASED HOLE ONLY

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

PERFORATED 2486' - 2494' (20 HOLES)

FOAM FRAC 26000LBS OF SAND - 500 GAL ACID

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered:	Top Depth	/	Bottom Depth
-------------------------	-----------	---	--------------

SLATE & SHALE 0' - 1460'

SALT SAND 1460' - 1500'

SLATE & SHALE 1500' - 1555'

SALT SAND 1555' - 1580'

SLATE & SHALE 1580' - 1650'

SALT SAND 1650' - 1700'

SLATE & SHALE 1700' - 1780'

SALT SAND 1780' - 1810'

SLATE & SHALE 1810' - 1850'

BIG LIME 1850' - 2040'

INJUN SAND 2040' - 2080'

SLATE & SHALE 2080' - 2480'

BEREA SAND 2480' - 2498'

SLATE & SHALE 2498' - 2625'

JOHN STANLEY #6

**State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work**

Farm name: NIDAY, ORLAND B. Operator Well No.: P.A. BAYS 101
LOCATION: Elevation: 1,173' Quadrangle: LOONEYVILLE 7.5'
District: SMITHFIELD County: ROANE
Latitude: 14,275 Feet south of 38 Deg 45 Min 0 Sec.
Longitude: 9,060 Feet west of 81 Deg 15 Min 0 Sec.

Company Address:	HG Energy 5260 DuPont Road Parkersburg, WV 26101	Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Inspector:	Ed Gainer				
Date Permit Issued:	09/06/2012				
Date Well Work Commenced:	12/03/2012				
Date Well Work Completed:	12/09/2012				
Verbal Plugging:					
Date Permission Granted On:					
Rotary X Cable Rig		8 5/8"	587'	587'	245 sks
Total vertical Depth (ft):	2360'				
Total Measured Depth (ft):	2360'				
Fresh Water Depth (ft):	none	4 1/2"	2329.4'	2329.4'	280 sks
Salt Water Depth (ft):	1790'				
Is Coal being mined in ares (Y/N)?	No				
Coal Depths (ft):	None				
Void(s) encountered (Y/N) depth(s):	NONE				

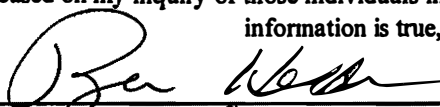
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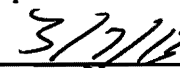
OPEN FLOW DATA

Producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock pressure _____ psig (surface pressure) _____ after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock pressure _____ psig (surface pressure) _____ after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.


Signature


Date

Were core samples taken? No

Were cuttings caught during drilling? No

Were $\frac{Y}{Y/N}$ Electrical, $\frac{N}{Y/N}$ Mechanical, $\frac{N}{Y/N}$ or Geophysical logs recorded on this well?

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Treatment : Not Completed

Well Log : All depths are measured relative to KB (8' AGL).

Shale w/ sand streaks	0	-	1012
Sand	1012	-	1118
shale	1118	-	1208
sand	1208	-	1234
shale	1234	-	1268
sand	1268	-	1309
shale	1309	-	1367
sand	1367	-	1420
shale	1420	-	1466
sand	1466	-	1545
shale	1545	-	1572
sand	1572	-	1615
shale	1615	-	1698
sand	1698	-	2000
Little Lime	2000	-	2028
Pencil Cave	2028	-	2042
Big Lime	2042	-	2167
Big Injun	2167	-	2210
Shale	2210	-	2360
TD	2360		

T.D. -Logger	2359	KB
T.D. -Driller	2360	KB

WR-35
Rev (5-01)

DATE: May 24, 2010
API #: 47-091-01156

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Bolyard Operator Well No.: B802
LOCATION: Elevation: 1540' Quadrangle: Thornton
District: Knottsville County: Taylor
Latitude: _____ Feet South of _____ Deg. _____ Min. _____ Sec.
Longitude _____ Feet West of _____ Deg. _____ Min. _____ Sec.

Company: Berry Energy, Inc	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O Box 5	7"	761'	761'	To surface
Clarksburg, WV 26301	4 1/2"		2392'	56 sx
Agent: David Berry				
Inspector: Bryan Harris				
Date Permit Issued: 9/11/2009				
Date Well Work Commenced: 4/16/2010				
Date Well Work Completed: 4/27/2010				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 2545' (10' KB)				
Fresh Water Depth (ft.): 50'				
Salt Water Depth (ft.): none				
Is coal being mined in area (N/Y)? No				
Coal Depth: 104', 223'				

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Environmental Protection

OPEN FLOW DATA

Producing formation 5th, 30 Foot Sands Pay zone depth (ft) 2310', 1850'
Gas: Initial open flow tstm MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 119 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 500 psig (surface pressure) after 76 Hours

Second producing formation Keener Pay zone depth (ft) 1200'
Gas: Initial open flow 421 natural MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 286 nat. MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 210 psig (surface pressure) after 76 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed:

By: David Berry

Date: May 24, 2010

B804 con't 47-091-01156

Perforations: Stage One / 5th Sand : 2302' - 2306' 16 holes (.39") (GL)
Stage Two / 30 Foot : 1838' - 1842' 16 holes (.39") (GL)

91-1156

Stimulation: Stage One: 500 gal. 15% HCl, 147 Bbls, 389 Mscf Nitrogen, 35,429# 20/40 sand, BD 3497#,
ATP 3556#, 65Q foam

Stage Two: 500 gal 15% HCl, 157 Bbls, 314 Mscf Nitrogen, 36,161# 20/40 sand, BD 3097#
ATP 2714#, 71Q foam

Geologic Record

Sand and Shale	0	104
Coal	104	107
Sand and Shale	107	223
Coal	223	226
Sand and Shale	226	500
Sandstone	500	624
Sand and Shale	624	662
Shale	662	690
Sand and Shale	690	740
Shale	740	755
Sand and Shale	755	945
Red Rock	945	955
Shale	955	1060
Little Lime	1060	1071
Pencil Cave	1071	1097
Big Lime	1097	1178
Keener Sand	1178	1206
Big Lime	1206	1318
Sand and Shale	1318	1842
30 Foot Sand	1842	1853
Shale and Sand	1853	2304
5 th Sand	2304	2314
Shale and Siltstone	2314	2545 TD (10' KB)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Tall Trees & Land LLC

Operator Well Dale Woody #2 WV3014

LOCATION: Elevation: 2287' Quadrange: Rock Cave 7.5

District: Banks County: Upshur

Latitude: 6,550' Feet South of 38 Deg. 50 Min. 00 Sec.

Longitude 11,600' Feet West of 80 Deg. 15 Min. 00 Sec.

Company: Seneca Upshur Petroleum Corp.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O. Box 2048				
Buckhannon WV 26201	13 3/8"	32'	32'	Sand In
Agent: James Turner				
Inspector: Bill Hatfield	9 5/8"	1115'	1115'	474 Cu. Ft.
Date Permit Issued: February 03, 2010				
Date Well Work Commenced: March 10, 2010	4 1/2"	7380'	7380'	126 Cu. Ft.
Date Well Work Completed: July 13, 2010				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 7030'				
Fresh Water Depth (ft.): 65'- 320'- 840'				
Salt Water Depth (ft.): 1242'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 378'-380', 395'-398', 502'-507', 595'				

OPEN FLOW DATA

Producing formation Marcellus Pay zone depth (ft) 7271' - 7361'

Gas: Initial open flow 1500 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 2000 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 12 Hours

Static rock Pressure 2400 psig (surface pressure) after 24 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: _____

By: David Deans

Date: 12/20/12

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Stimulation Summary

97-3723

1st Stage –Slick Water Frac, Perforations Marcellus 7320'-7350' (180 holes)
1000 gal. 15 % HCL, Breakdown 2260 psig, 4000 bbl pad
100,540 lbs 80/100 mesh sand, 492,000 lbs 40/70 mesh sand
14,730 bbls treated fluid, Avg. Rate 73 bpm,
Avg. Treating Press. 4485 psi, ISDP 2400 psi

Production Tops

Blue Monday	1550'-1600'
Big Lime	1600'-1696'
Big Injun	1702'-1770'
Squaw	1798'-1826'
Gordon	1834'-2192'
4 th Sand	2206'-2244'
5 th Sand	2246'-2314'
Bayard	2366'-2400'
Elizabeth	2494'-2528'
Bradford	3382'-3408'
1 st Riley	3684'-3720'
2 nd Riley	3892'-3906'
Benson	4036'-4098'
1 st Elk	4594'-4602'
2 nd Elk	4670'-4712'
3 rd Elk	4842'-4880'
Alexander	5440'-5465'
Sycamore Grit	6410'-6436'
Genasea	7128'-7164'
Tully Limestone	7164'-7186'
Marcellus Shale	7272'-7362'
TD	7382'

**State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work**

Farm name: WAYNE, ROBERTA B. Operator Well No.: MCCOY HEIRS 17

LOCATION: Elevation: 810' Quadrangle: PINE GROVE 7.5'

District: GREEN County: WETZEL
Latitude: 11,005 Feet south of 39 Deg 32 Min 30 Sec.
Longitude: 5,160 Feet west of 80 Deg 40 Min 0 Sec.

Company Address:	HG Energy 5260 DuPont Road Parkersburg, WV 26101	Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Inspector:	Derek Haught	9 5/8"	32'	32'	
Date Permit Issued:	08/31/2012				
Date Well Work Commenced:	10/24/2012				
Date Well Work Completed:	11/07/2012				
Verbal Plugging:		7"	805'	805'	175 sks
Date Permission Granted On:					
Rotary X Cable Rig					
Total vertical Depth (ft):	2883'				
Total Measured Depth (ft):	3132'	4 1/2"	3052.8'	3052.8'	250 sks
Fresh Water Depth (ft):	50', 120'				
Salt Water Depth (ft):	None				
Is Coal being mined in ares (Y/N)?	No				
Coal Depths (ft): x	546'-554'				
Void(s) encountered (Y/N) depth(s):	NONE				

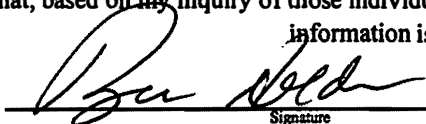
OPEN FLOW DATA

* Waterflood Producer

This well drilled directionally 294° NW a distance of 802'.

Producing formation	Gordon	Pay zone depth (ft)	2870'-2883'
Gas: Initial open flow	* MCF/d	Oil: Initial open flow	* Bbl/d
Final open flow	* MCF/d	Final open flow	* Bbl/d
Time of open flow between initial and final tests	* Hours		
Static rock pressure	* psig (surface pressure)	after	* Hours
Second producing formation		Pay zone depth (ft)	
Gas: Initial open flow	* MCF/d	Oil: Initial open flow	* Bbl/d
Final open flow	* MCF/d	Final open flow	* Bbl/d
Time of open flow between initial and final tests	* Hours		
Static rock pressure	* psig (surface pressure)	after	* Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.


Signature

3/17/13
Date

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Were core samples taken? No

Were cuttings caught during drilling? No 103-02812

Were Y Electrical, N Mechanical, N or Geophysical logs recorded on this well?
Y/N Y/N Y/N

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Treatment : Treated perms 2870'-2883', and 2898'-2905' w/ 1250 gals 15% HCL, 379 bbls cross linked gel, and 20,000# 20/40 sand.

Well Log : All depths are measured relative to KB (8' AGL).

Shale w/ sand streaks	0	-	546
Coal	546	-	554
Shale w/ sand streaks	554	-	1084
Sand	1084	-	1120
shale	1120	-	1194
sand	1194	-	1280
shale	1280	-	1304
sand	1304	-	1323
shale	1323	-	1350
sand	1350	-	1375
shale	1375	-	1506
sand	1506	-	1552
shale	1552	-	1603
sand	1603	-	1624
shale	1624	-	1758
sand	1758	-	1770
shale	1770	-	1787
sand	1787	-	1803
shale	1803	-	1812
Big Lime	1812	-	1892
Big Injun	1892	-	2144
shale	2144	-	2834
Gordon stray	2834	-	2854
shale	2854	-	2864
Gordon	2864	-	2886
shale	2886	-	2896
sand	2896	-	2908
shale	2908	-	3132
TD	3132		
T.D. -Logger	3097	KB	
T.D. -Driller	3132	KB	

Date June 4, 2013
API # 47 - 109 - 00417D

Farm Name: US Army Corp of Engineers - Real Estate Operator Well No.: Stokes (#2) 022290

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
	See Existing	Well Record	
4 1/2"	6010'	6010'	165 sx
2 3/8"		5611'	
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Pay Zone **4284'-5677'**
 Depth (ft) _____
 Oil: Initial Open Flow _____ Bbl/d
 Final Open Flow _____ Bbl/d

By:
Date:

Victoria Halling
4 June 13

109-004170

perfed Lower Huron / Gordon 40 H / 4284' - 5677'. BJ fraced Lower Huron / Gordon w/ N². BD 2661 psi, ISIP 1643 psi, 2 min ISIP 1481 psi, 5 min ISIP 1417 psi, 10 min ISIP. Avg rate 58,275 SCF/M N², BJ pumped total 1,200,000 SCF N² & 7 gal 7-1/2% HCL. Allegheny perfed Berea 20 H / 3973' - 4004'. BJ fraced Berea w/ 85,80,75Q foam. BD 382 psi, ISIP 1100 psi, 2 min ISIP 931 psi, 5 min ISIP 899 psi, 10 min ISIP 863 psi. ATP 1731 psi, MTP 1484 psi. Ave rate 26.3 B/M foam. BJ pumped 52,500 # 20/40 sand, 216 bbl water, 726,200 SCF N² & 500 gal 15% HCL.

FORMATION	TOP	BOTTOM	REMARKS
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